
RECENT CROSS SECTION EVALUATIONS IN THE RESONANCE REGION AT THE OAK RIDGE NATIONAL LABORATORY

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Resonance evaluations in the resolved and unresolved energy regions have been performed at the Oak Ridge National Laboratory using the computer code SAMMY. Several new features have been implemented in SAMMY. Among these features are the capability to accurately account for data resolution and the generation of resonance-covariance data in both the resolved and the unresolved energy regions. In the full paper an overview of the methodology used at ORNL in the resonance evaluations for U-233 (resolved resonance region), U-235 (unresolved resonance region), U-238 (resolved resonance region), and F-19 (resolved resonance region) evaluation, will be given.